

The Tech

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5 CENTS

Future Plans Cover Broad Area

Evans New PRC Chairman

Sheila Evans '60 was appointed chairman of the Public Relations Committee last Thursday night by Institute Committee. The projects which will come under her responsibility include a freshman directory, a student-host program, a faculty-administration news conference, and a coed publicity feature.

Miss Evans, a Course XVI major, attributes her appointment to the great enthusiasm she has displayed; since joining PRC she has given up most of her other extracurricular activities.

Student Hosts

Her first worry will be the newly-inaugurated student-host program which is being conducted in cooperation with the admissions office. In this program PRC members will play host to the high school students who contemplate coming to the Institute. The hosts will introduce the prospective freshman to all phases of life here from the classroom to social activities. Patrick J. McGovern '59, outgoing chairman, predicts that approximately twenty high school seniors will make use of this new service during the coming term.

Freshman Directory

Another PRC project is a freshman directory, scheduled for publication late in August. This booklet will include the name, hometown and picture of all the members of the class of '62. A section of advice on how to get the most out of specific courses and tips on solving problems such as homesickness may also be included. McGovern believes this booklet will help new members of the MIT community to become fully integrated.

A press conference is planned for late April between members of the faculty and administration and the Boston newspapers to publicize plans for Parents' Weekend and explain the functions of student activities and student government.

Coed Publicity

MIT coeds will receive publicity as a result of PRC's activities. Last weekend, Toni Deutsch '58 was the subject of a double page spread in the Boston Sunday Advertiser. In addition, the ground-work has been laid for a feature on a coed which will appear

in the New York Times Sunday supplement.

A contest is currently being sponsored by PRC among the Class of '61 to pick the essay which best describes a freshman's first months at the Institute. This essay will be incorporated into a revised catalogue to be distributed to all prospective MIT students.

Beaver Buzz

Because of its very favorable impression last fall, Miss Evans plans to publish another freshman issue of Beaver Buzz to be distributed on the first day of Freshman Weekend. The publication is scheduled to go to press early next September.

In addition, she hopes that students will make more use of PRC's publicity program. The office is staffed from 12 to 5, Monday through Friday, and any student desiring information concerning any campus activity is invited to call or phone.

MIT Places in Debate Semi-Finals; National Finals To Beat West Point

A tournament to determine the representatives of National District Number VIII at the National Debate Tournament at West Point was held at the College of the Holy Cross on March 20, 21, and 22. District VIII includes all of New England and New York. Five teams are allowed to go to the Nationals from this district. Each team has 8 rounds of debate in the district tournament with two judges in each round. The five teams to qualify were Harvard, Dartmouth, MIT, Eastern Nazarene. An elimination round was held between Fordham College and Fordham School of Edu-

cation for fifth place.

The announced results showed that Harvard, Dartmouth, and MIT had all won 12 votes from judges and lost 4, while Eastern Nazarene and the two Fordham Schools had won 11 and lost 5. On the basis of individual speaker rankings, Harvard was awarded first place; Dartmouth second; and MIT third. However, after the announcements an error was found in the ballots which showed that MIT had won 13 and lost only 3. MIT was represented by Robert Hillman '59 and Richard Becker '59.

Robert Hillman was the fifth best individual speaker in the tournament. This is the third straight year that MIT has qualified for the Nationals, although in other years the debaters have always held fifth place.

The National Debate Topic is, Resolved: That the requirement of membership in a labor organization as a condition of employment should be illegal.

PHYSICS TEXTBOOK

Many leading educators have praised the new high school physics textbook developed by the Physical Science Study Committee. A report on this book will be found on page three.

Pi Tau Sigma Adds 17 M.E. Students To Its Honor Roll

The Pi Kappa chapter of Pi Tau Sigma, mechanical engineering honorary fraternity, added seventeen names to its roster at the meeting held on Wednesday, March 19, 1958. According to Secretary Ronald C. Rosenberg '59, the juniors who received this honor were:

Emil A. Battat	Frank C. Manak, III
Dietrich W. Brunner	John R. Mann
Edward F. Doyle, III	Paul G. Norris, III
Carlton E. Gehhart	Ernest E. Potter
Donald S. Groll	Pedro A. Roscartaya
Bruce Hartenbaum	Robert L. Rosenthal
Donald L. Jones	Nam P. Suh
John C. Linderman	Glenn W. Zelders, Jr.

John B. Catlin Jr., who will graduate following the fall term of 1958, was also elected to the society.

To become eligible for election to Pi Tau Sigma, a senior or junior must stand in the upper third of his class scholastically, and must also be active in extra-curricular affairs, says Vice-President Herbert G. Johnson '58.

This year's election was held following the annual smoker.

Dorm Prexies Stay On as Inscomm Representatives

In its first full meeting, the new Institute Committee met and elected chairmen of its subcommittees. Meeting on Thursday, March 20, under the gavel of UAP Jerry Stephenson '59, Inscomm chose the following officers:

Secretariat: Chuck Fitzgerald '59.
Finance Board: Chairman, Chuck Staples '59; Senior Board Members, Al Bufferd and Ron Shenk; Junior Board members, Dick Macdowell, Bob Leinhard.

Freshman Co-ordinating Committee, Jaime deSola '60.

Public Relations Committee, Sheila Evans '60.

National Student Association, George Henry '59.

Student Committee on Educational Policy, Dwight Crane '59.

Secretary of Judcomm, Bob Parente '59.

The election for chairman of International Program Committee was held over until the next meeting.

Action on Dorm Reps

At the previous Inscomm meeting, East Campus house president Adul Pinsuvana '59 had made a motion which would have permitted the dormitories to be represented by either the house president himself or some qualified delegate. Despite favorable opinion for such action on the part of the dormitories, the motion was defeated.

Another move, started by Tom Lovejoy '59, president of Activities Council, will require "that every MIT activity have as its officers members of the MIT staff, faculty and student body only." Stephenson said that in effecting this requirement, student government did not have any specific individuals in mind as cases in point.

IFC Representation

IFC President Richard Sampson '59 introduced a motion at this meeting which said:

"Any junior who is nominated from Chi Phi, Theta Delta Chi, Phi Sigma Kappa, Sigma Chi, Sigma Alpha Epsilon, Theta Xi, or Theta Chi, and who is approved by the IFC Executive Committee shall be eligible to be elected by the fraternities as their representative to Institute Committee. This special provision shall apply only to the forthcoming election to be held before April 15, 1958, and all subsequent elections shall be held as provided for in the By-laws."

The reason for this motion is the fact that the new Inscomm by-laws require that the fraternity representatives be house presidents, and the houses mentioned hold their elections after the date stated. Final action on this meeting will be taken at the next meeting.

"Springnite" is Name Given Frosh Dance; Gray Wins Contest

"SPRINGNITE," the name chosen for the Freshman Dance, was proposed by Pete Gray and won him a free dinner, ticket, and a cab ride to the dance, April 18. Selected from among numerous names entered in the "Name the Dance Contest," "Springnite" was selected Sunday at a well-attended poster show in Walker Memorial.

Posters with the single word "Springnite" were displayed Sunday evening. "Springnite" was chosen as suitably describing the Starlight Terrace at the Sherry Biltmore Hotel, where the Dance will be held. Jack Edwards' well known society band will play at the dance. Tickets will go on sale after Spring Vacation.

Four Top the Champ But Popovich Wins 16 of 21 Matches

Four MIT students managed to beat the New England chess champion in a simultaneous exhibition last Saturday. Orest Popovich, a research fellow in the ceramics laboratory and a National Chess Master, lost four and drew one out of twenty-one matches.

He was beaten by Carl Wagner '61, Larry Wagner '60, Walter Buehl '59, and Lenny Youens '60; the draw was credited to Bob Spivock '61. The Wagner brothers, who are both tournament champions, played a Sicilian Opening against Popovich.

Popovich opened his games with both Queen's and King's Pawn openings. He describes his most satisfactory win as a "brilliant rook sacrifice" against Jerry Halpern '61.

Deutsch Featured in Advertiser Series On College Girls

Is Toni Deutsch taking 8.041 secretly? Have Professors Stanislaw Olbert and Bruno Rossi swapped names to avoid detection? These startling facts are hinted at in a feature entitled "Meet a Slide-Rule Girl" in the Sunday Boston Advertiser.

The story was written after the Public Relations Committee of Inscomm contacted Mary Clayton who has been writing a series of stories on college girls for the Advertiser. After meeting Toni, who was specifically recommended by PRC on the basis of her activities record, Miss Clayton spent a whole day interviewing her for the story.

Toni professed to be very pleased with the story, which accurately stated her views on Institute life. She stated that this was "the first time I have appeared in the public prints without being misquoted." The story pointed out, however, that scientists are not "weird longhairs, isolated in labs and remote from the world." This may come as a surprise to MIT undergraduates.

Girl Editors Star At Paper Confab

Emmanuel College played host to a College Communication Conference last Sunday. Most of the afternoon was devoted to serious discussion. Father Keynoter Reverend J. Edward Nugent, MIT Neuman Club Chaplain, begged for truth in the written word. Other noted speakers, including Mr. LaFayette Marchand, Editor of the Boston Daily Globe, spoke on "The Word" on TV, in newspapers and in Public Relations.

Afterwards, an informal reception was held, with the aim of better public relations. The MIT representation was warmly received as the male group attending, though other newspapers in the Boston and Harvard Square area had been invited. The loquacious and friendly editors of the Emmanuel paper were impressed by the sample copies of the newspaper distributed there, commenting favorably on the true freedom of the Press enjoyed at MIT and expressing a desire for further approach.

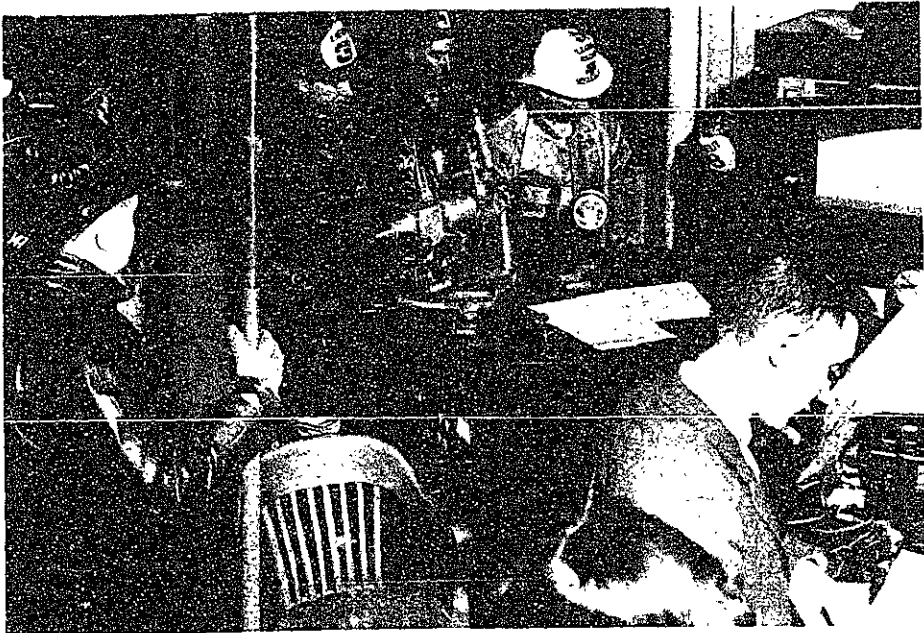


photo by Bruce Silberg '59

Intently surveying the source of the smoke in last Sunday's fire scare are several Cambridge firemen. Meanwhile, an industrious reporter (foreground) hurriedly jots notes.

had blown, causing less than \$100 damage.

An interesting sidelight was thrown on the affair when the Deputy Chief cited the building as a semi-fire hazard. He found several air shafts, reaching from basement to roof, that

contained a large quantity of debris, apparently highly inflammable. Stressing the importance of fire safety in an educational institution, he plans to speak to the Institute Safety Director.

Dense Smoke, No Flames Draw Crowd of Reporters And Firemen to Building 24 Sunday in Fire Scare

An urgent call for help and the presence of dense smoke from an unknown source brought a full Cambridge fire company to the MIT campus Sunday night.

Bob Wylie, a grad student, was studying a bulletin board in building 4 when he became aware of a definite change in the density of the surrounding atmosphere. Two phone calls, one to the man in charge of the area and the other to the Institute operator, brought the Cambridge Fire Department and a multitude of The Tech and WTBS reporters scurrying to the scene, only to discover the inaccuracy of the old axiom, "Where there's smoke, there's fire." Although the smoke had permeated the entire building, no trace was found of the source until one intrepid fireman and a particularly sinister-looking machine in 24-311, the X-Ray Crystallography Laboratory. Instantly, the firemen converged on the scene, scrutinizing the object of interest, a Town Potentiometer; finally, the Deputy Chief, displaying surprising scientific aptitude, declared, "It seems to be this transformer; it's definitely taking." Tibot Zoltai, teaching assistant in charge of the lab, supported this belief, adding only that a tube

The Hearings

To the innocent, newspaper-informed citizen, the Un-American Activities hearings held in Boston last week constitute another smashing success in the Committee's long record of exposing Communist subversion. Two surprise witnesses—FBI undercover agents who spent years in the Party—dramatically denounced literally dozens of erstwhile comrades; cowering reds pleaded "the fifth" while a packed courtroom snickered. Messrs. Doyle, Moulder, and Kearney, defenders of the flag and members of the House of Representatives strove to elicit from the grubby Communists a few threads of incriminating evidence while Committee staff director Arens, with due respect for the witnesses' Constitutional rights, browbeat them into submission.

But for those attending the hearings a rather different impression prevailed. Alleged communists of all descriptions paraded through the witness box; most were manual or clerical workers, but some, like Harvard graduate Daniel Boone Shirmer, fitted the "hard-boiled intellectual" stereotype. Little information which might be pertinent either to unearthing further links in the "conspiracy" or to drafting anti-subversive legislation (which is the Committee's stated purpose) was obtained.

Staff director Arens not only carried out his function as chief interrogator for the Committee but distributed to the press, as a good-will gesture, numerous government pamphlets under such titles as: *Operation Abolition—The Campaign Against The House Committee On Un-American Activities and Communist Political Subversion—The Campaign To Destroy The Security Programs Of The United States Government*. We should be relieved to know that we have our own propaganda mill.

The performances of Committee members Doyle, Moulder, and Kearney were not very reassuring. One found it difficult to doubt the sincerity of their investigating efforts, though some have asserted they are after exposure for exposure's sake. The uncomfortable question was, however, whether these gentlemen really understand the system of ideas—as opposed to the specific tactics—that they are fighting. The Congressmen repeatedly put the most naive queries: Would you rather have the Russian or our present form of government in this country? When you entered the army, did you sincerely take the oath of allegiance? Such questions betray a lack of understanding of the real problems involved. It must be remembered, though, that the investigators, so often buffaloes by stubborn witnesses, clutch at straws out of sheer exasperation.

Armando Penha stood out as the chief actor in last week's explosive drama. In a voice so loud that his microphone had to be moved to arm's length, Mr. Penha related his activities as latter-day Herbert Philbrick. Thundering ungrammatical accusations and frequently thrusting an implicating finger at some witness in the audience, he was living proof of the dangerous existence of a communist conspiracy.

This may not be the best of all possible investigating committees, but we have it for what it's worth.

—S.W.W.

Another View

Those who have gone to the hearings conducted by the House Committee on Un-American Activities in the Boston Post Office Building have probably had a good laugh.

No doubt they have also noticed a few people at these hearings who didn't respond with a grin to the antics of the committee. These were the witnesses.

Who and what is it that we are laughing at and calling ridiculous? How many of us really know? Beneath the joking and the banter, both the witnesses, and I hope we can say the same for the committee too, are in dead earnest.

Ours is the kind of laughter that overcomes us when we see a picture of Jimmy Hoffa and it is captioned "Business never gives you nothing if they can help it." Is Jimmy Hoffa joking?

The striking point in the hearings was that the witnesses weren't brilliant intellectuals who would argue this or that on ideological levels. Assertions along these lines rarely got farther than the First and Fifth Amendments. Most of these people seemed to be supporting something not just for themselves, or from loyalty to a foreign country, or because they thought it was smart. Each seemed to think that what he believed was compatible with the good of his fellow workers; and all were associated with the working class. A field organizer for a union, a railroad yard superintendent, a tool and die maker.

None made a statement more Communistic sounding than Jimmy Hoffa's when he said before another committee, "My men are professional drivers. They will earn \$200 per week by the year 1960 or my name is not Jimmy Hoffa."

The real problem is the antagonism between labor and management. The sentiments of all the witnesses were with the laborer. Most might have been Communists at one time because Communism is so close to the working class.

—J.W.

review

Ordet

Ordet, the Brattle's current mis-selection, is the first full length slow motion picture seen in Boston. Heralded as an allegory of faith for our time, it is an inane waste and a crushing bore.

The Borgen family has its troubles. Papa Borgen a bearded Scandinavian cross between a sea-captain and Michaelangelo's Moses is a sanctimonious old fool. His oldest son Michel has lost his faith (sic). Michel's wife is a pretty lovable soul but she has trouble giving birth to anything but girls. Papa had sent his second son, Johannes, away to school to become a pastor. Alas Johannes read too much Kierkegaard and now, ostensibly quite mad, is convinced he is Christ.

While Johannes roams the plains and stalks through rooms bewailing everyone's lack of faith in him, Anders, the youngest brother, wants to marry the tailor's daughter. But of course the tailor is a member of a rival sect (some what like Jehovah's Witnesses). Well, the tailor thinks old Papa Borgen is going to hell and Papa has relegated the tailor to the seventh circle. Anders and his girl, Anne, are pretty naive and probably don't give a damn for all this religion but they don't talk too much; unfortunately this is an all too rare quality for *Ordet*.

Now the plot thickens and the action quickens and the pace goes from turgid to sluggish. Inger, Michel's wife, is in her ninth month. A phone call interrupts Papa and the tailor in their wrangling. Inger is having trouble. Papa takes off for the farm where meanwhile mad Johannes prophesies the death of both child and Inger because nobody believes in him. Well, the child is a boy but it dies. Inger, however, seems o.k. While the doctor, the pastor (a dead ringer for King George V) and Papa congratulate each other on the physician's skill and God's grace in not taking Inger, too, Johannes wanders around and predicts doom. Papa tells him to please dammitall shut up but Inger's daughter believes and wants mummy to die so Uncle Johannes can resurrect her.

This is an allegory, so Inger is obviously a goner. Michel never was too high on this religion stuff and now he has taken about all he can stand. With a fast quotation from St. John, Johannes is off into the night. No one can find him.

The day of the funeral dawns bright and clear, and even the tailor is in good spirits and ready for a good cry. The pastor gives a glib sermon and (with Michel at his wit's end) the tailor makes a big production of forgiveness and lets Ann and Anders have each other. They go off in the corner and weep on each other's shoulder. The camera focuses on the bier where Inger lies wreathed in light. But wait, all is not lost. Enter Johannes, miraculously sane again.

Tsk tsk, he says, if someone had only had real faith, Inger could have been saved but they were too timid to ask. We shouldn't reveal the ending having suffered so long to get it; but, since almost everybody will guess it anyway, here it is.

Little Maren pops up, starry-eyed. Well, Uncle Johannes, she says, what are you waiting for. Save mummy now.

Aha, someone has real faith. Johannes says he'll give it a try. He says a few words and, by Jove, up pops Inger good as new. Michel gets his faith, Maren gets mummy back, Anders gets Anne, Papa and the tailor become bosom buddies and Johannes goes off to make his fortune on the revival circuit.

Pooh.

—L.F.V.

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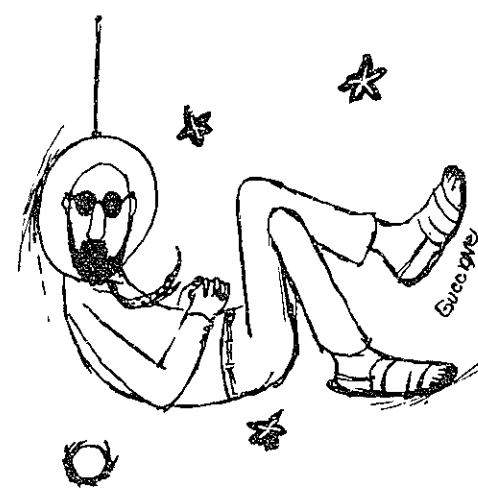
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THE COOP



WHAT TO WEAR ON THE SATELLITE

SCENE: It is almost zero hour at Los Bismuth. On stage are Capt. Carruthers, the man in charge of the launching of the satellite, and Manfred Faustus Sport, the man who will ride the satellite.
Carr: Well, Sport, this is it. Sport: Real gas, Cap. I'm almost flying already. How do I look?
Carr: You could wear cat-gut and lemon-peels, and who would be the wiser?
Sport: Wake up, Cap. What about that crowd at Mt. Palomar with that big, spooky telescope? Got to look spiffy for them.
Carr: That shirt's a beaut. But, where's the rest of your luggage?
Sport: Who needs more? This shirt is a Van Heusen Vantage

shirt. It's one of those all cotton, drip-dry numbers that never needs ironing.
Carr: What a discovery! But how will you wash it up there?
Sport: In the rain, man, in the rain.
Carr: And how will you dry it?
Sport: In the sun, man, in the sun.
Carr: Well, it's zero minus one. Sport, you'll be gone forever. (SOUND OF WHOOSH-ING). He's gone.
EPILOGUE: The scene is the observatory at Mt. Palomar. Scientist: Man, he's real gone. Just look at that Van Heusen Vantage shirt.
Yes, in outer space, or right here on terra firma, no drip-dry discovery ranks with Van Heusen Vantage shirts. The tariff? Only \$5.

The



Tech

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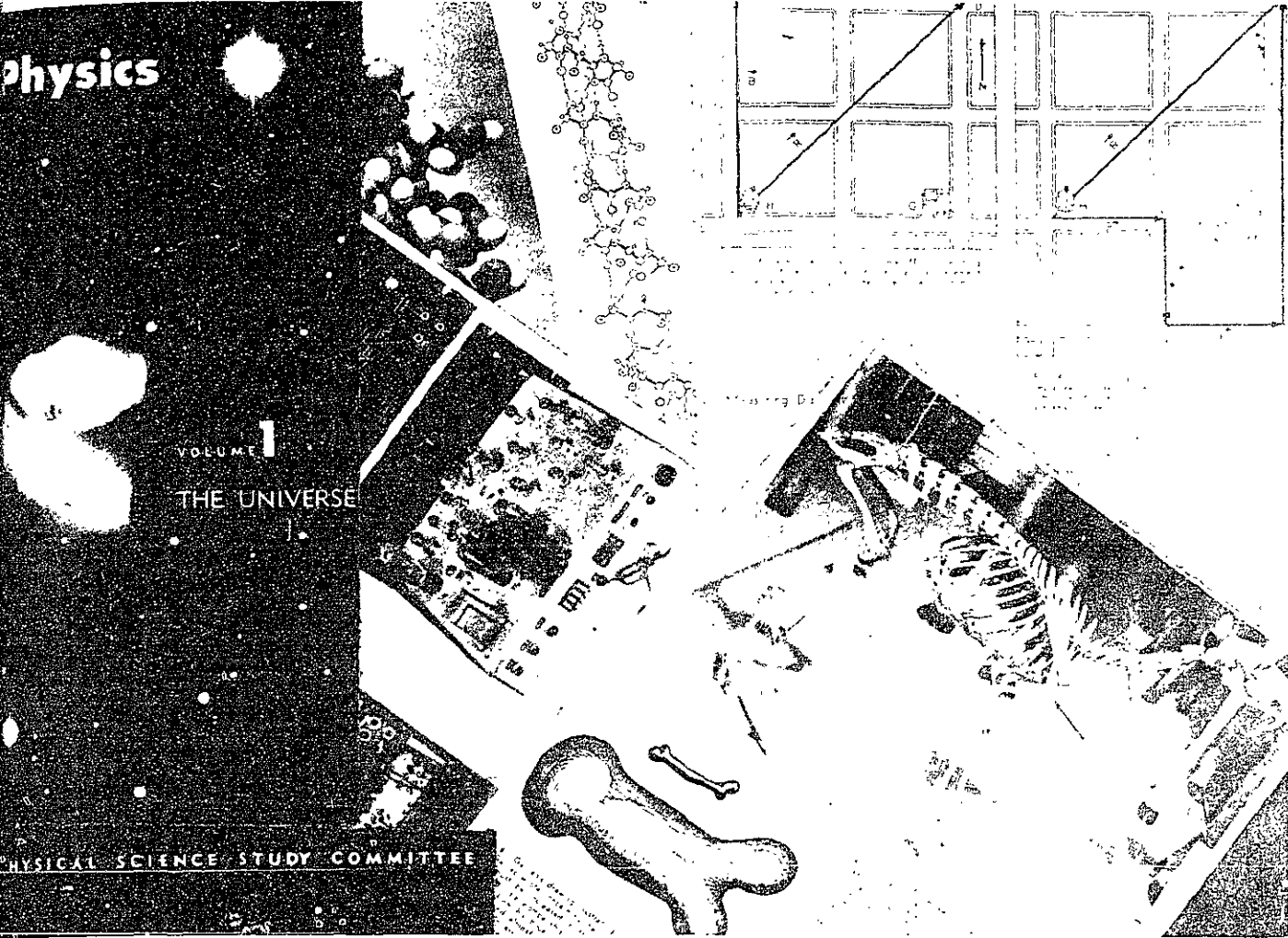
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High School Teachers Enthusiastic Over New PSSC Physics Textbook; Book, Featuring Vectors and Waves, Is Being Tested in 8 Schools



A sample of the topics covered in the Physical Science Study Committee's new text book. Reading clockwise from upper right: vector analysis made simple by considering street routes; dinosaur bones to illustrate relative magnitudes; example of "black box", containing mysterious electronic equipment; esoteric structural formula of a hydrocarbon. The new textbook seeks to make fundamental concepts clear by use of familiar examples.

The reaction to the pilot text of the new high school physics course planned by the Physical Science Study Committee has surprised even those who were most enthusiastic about the book before the publication. A torrent of appreciative and laudatory letters have been pouring in to PSSC headquarters here in Cambridge ever since the book appeared last October 7. One such letter glowingly states, "Here at last is a group of men interested in the good of science rather than the good of its pocketbook!" The response has been extremely good—almost "too good," in the words of Mr. Bruce F. Kingsbury, Assistant Executive Director of the PSSC. Says he, "We don't know quite what to make of it!"

The source of all this response is the eight schools in which the text has been put to use this year. The First Annual Report of the PSSC states that "the more able students profited immediately and directly, while test evidence indicates that the less able have grown remarkably in general understanding of the underlying themes." Among the schools using the pilot text are Exeter Academy, Browne and Nichols here in Cambridge, the Hill School, and the Bronx High School of Science. The teachers of the 300 students have kept in regular touch with the PSSC, and their comments have been the chief means of evaluating the work the book has been doing.

Introductory Textbook

The first of the four pilot texts constitutes a general introduction to the course. It touches on such subjects as measurement of time, space, and matter; motion; elements and atoms; and the nature of a gas. Sections on outside reading, outside work, exercises, and lab work are frequently interspersed with the textual material. The book is profusely illustrated with clear, concise line drawings, and interesting photographs. Some of the latter are a strobe picture of a light bulb in the process of being shattered by a rifle bullet, a set of pictures illustrating parallax (taken from the roofs of East Campus dorms) and an electron-micrograph of a crystal. Illustration of basic principles is made by use of common objects and experiences. Vector displacement, for instance, is illustrated by diagrams of city blocks and the various paths possible in going between two diagonally opposite points. It was noticed that the authors come dangerously close at times to use of elementary calculus, although the delta notation is preserved. The step from high school physics to college calculus will, however, not be a difficult one for students who have been exposed to this course.

Description of the remaining three books must necessarily be brief, since only one of them has been published. The second of the series appeared just two weeks ago, and concerns the phenomenon of light and wave motion. It covers images, reflection, refraction, interference, lenses, and wave motion in general. The third book will concern mechanics. The fourth and final pilot text book will be on atomic physics, but will also serve to draw the course together in general.

The first two of the preliminary texts that have appeared have been bound as regular soft cover books, 8½"x11". The final two will appear for this year's students as mimeographed sheets. When the final text is published, it will be a single large volume, representing all four of the pilot texts in their revised form. In view of the enthusiastic response to the first texts, this final volume should be an impressive one indeed, and one which will do much to accomplish the Physical Science Study Committee's long range goal of presenting the world with a truly modern physics course.

Sticklers!

WHAT'S A CLOWN WHO SMOKES LUCKIES?
(SEE PARAGRAPH AT RIGHT)

WHAT'S A SHOTGUN SHELL FOR BIRDS?

ROBERT LEVESQUE, Partridge Cartridge
BOSTON COLL.

WHAT'S A HAUGHTY HERON?

ROSEMARY ORZENOWSKI, Vain Crane
NIAGARA U.

WHAT IS A PUZZLE FAD?

PERRY MARTIN, JR., Maze Craze
RICE

WHAT DOES A COLD FISH GET?

MARGOT PHILIPPS, Gill Chill
HUMBOLDT STATE COLL.

WHAT IS HOG HISTORY?

CLYDE OATHOUT, Boar Lore
EASTERN ILLINOIS U.

WHAT'S A SWANKY HIDE-OUT FOR GANGSTERS?

DIANE ROBERSON, Dodge Lodge
IOWA STATE

WHAT IS A SEDATE DETECTIVE?

JOHNNY ZURLO, Sober Prober
ST. MICHAEL'S COLL.

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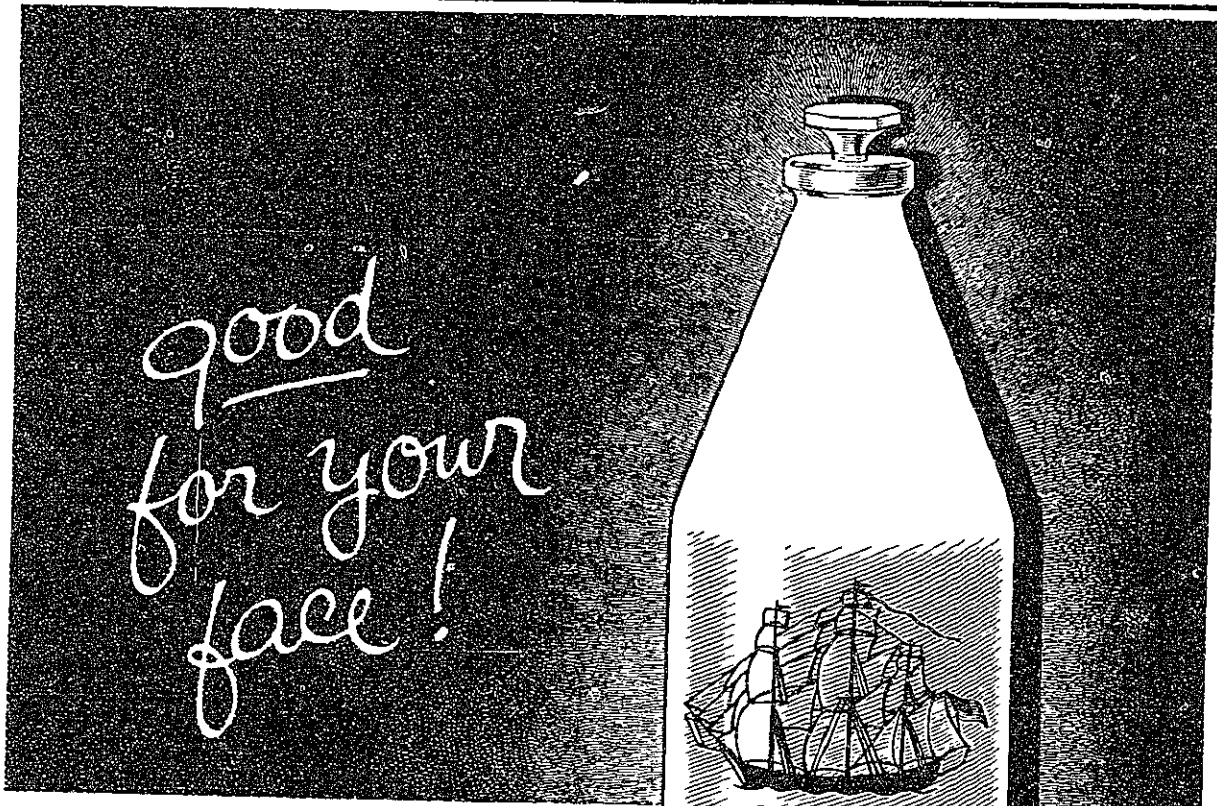
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Beaver Barks

The lull between the winter and spring season is traditionally the time to look back upon the teams' performances, evaluate them, and give reasons for their success or failure. Each year, when winter track is viewed in this light, one of the Institute's most serious athletic deficiencies is brought into focus—the lack of an indoor track.

A look at this winter's weather chart will confirm the effect of this on the track team. During the first week of February the runners were able to work out outdoors. That Saturday a relay team competed in the Millrose Games in New York and finished only 1.5 seconds behind NYU, one of the best relay squads in the country. However, for the next two weeks the team was unable to do any track work at all because of inclement weather. This was reflected in the fact that they were able to edge a weak Northeastern aggregation by only one point and the following weekend they were belted by Brown 90-22. The pattern was similar for the following two contests.

It is true that the emphasis in Institute athletics has always been on participation, not on winning squads. But Coach Oscar Hedlund has over 15 boys under his tutelage and the list is expected to grow with the coming spring. Track is thus one of the largest sports, in terms of the number of participants at MIT. Secondly the purpose of this participation is the development of the physical well-being of the participants as well as recreation. Track being the only fully year-round sport at Tech, provides this. However this development is greatly hindered by the present poor facilities at Rockwell Cage.

The solution to the problem is simple. Once the basketball team has moved out of the Cage, as is planned in the next three or four years, there will be plenty of room for a properly banked and curved track.

Indeed a ten-lap track was proposed for the Cage when it was originally built back in 1939. But the track team couldn't have the whole Cage, said the administration, and thus the thinclads were stuck with their present piece of dirt. This is crudely used for a 12-lap track, but the number of turns—12 the quarter-mile—not only make it impossible to do any speed work but make it dangerous—more than one Techman has badly scraped his elbows and knees on the walls coming out of a turn.

Since the present facilities are not only inadequate but dangerous, still better ones would provide more and better opportunity for athletic participation by Tech students, the Institute, especially at a time when it is sinking millions of dollars into a new athletic plant, ought to give serious consideration toward correcting this shortcoming of an otherwise fine athletic program.

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TEXAS—Ride wanted to Southwest for vacation—To leave Wed., Mar. 26 at noon if possible—contact Bill Bringier, CI 7-9102.

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Team Elections Held

Three Winter Sports Pick Captains

MIT's Athletic Association announced this week the elections of captains for next year's basketball, hockey, and squash teams. Bob Polutchko '59 will lead the cakkers, Bill Jobin '59 and George Peckingham '59 will share the honors for the icemen, and Colin Clive '60 will head the racqueteers for the 1958-59 winter season.

Polutchko Sparked Cagers

Polutchko received the votes of his teammates although he played only half of the recent season, because he was working as part of MIT's aeronautical engineering cooperative program during the fall term. When he joined the hoopsters, he averaged 17.8 points per game, and the squad suffered no defeat by greater than nine points. In addition, he led the team in rebounding.

Jobin also missed half of the season, but his absence was caused by a kidney injury suffered in the first game with UNH. He played wing on the second line this year. Peckingham was the spark of the first line from his center position.

Clive Is Three Sport Man

Clive is a three sport athlete, as he also plays golf and soccer. Squash coach Ed Crocker said of him, "Clive improved very much this season, playing number four behind three seniors. He should be a major factor on our squad next winter."

Weightmen Place 4th In Easterns Here; Krohn Only Winner

Due to the disputed eligibility of their top featherweight, the MIT weightlifting team was only able to take fourth place in Sunday's Eastern Collegiate Weightlifting Championships held in the cage. The tight, exciting meet was won by NYU with 16 points while CCNY and Harvard tied for second with 13 points and Tech followed with 12. Pennsylvania and Bowdoin finished with six and three points, respectively.

MIT's only winner was lightweight Ken Krohn '59, who totaled 615 lbs. in the meet's closest competition. After the first two series of lifts, the press and the snatch, Krohn was tied with NYU's Arnie Lent with Pete Carleton of Harvard only five pounds behind. Then, in the clean-and-jerk, Ken finally held his second try of 245 lbs. to best Lent by five and Carleton by twenty.

Kavet Hoists 600

Lifting at Tech for the last time, captain Herb Kavet '58, finally made 600 lbs. in the light-heavy class for his highest total and MIT's next best performance. This was good for third in his class out of seven lifters. Other places taken by the Beavers were a second in the heavyweight class by Jim Middlekauff '59, the newly-elected captain, and thirds in the bantam, featherweight, and unlimited classes by Tint Swe '58, Victor Chung '61, and Gary Miller '60. George Kraft '59, president of the Barbell Club, also lifted in the lightweight class.

Leave of Absence

MIT had expected to finish higher with Ted Lewis '59, in the featherweight class. Lewis is on a leave of absence; but because of the liberal rules in inter-collegiate weightlifting, it was expected that he would be able to take at least a second and, actually had a chance for first.

Beaver Pistol Team Captures NAIPL Championship

The MIT pistol team ended a successful season by taking the North American Inter-Collegiate Pistol League championships last Saturday. MIT was host for the match, but due to limited facilities, the firing was done at Harvard.

Score 1329

The Tech shooters scored 1329 points to edge Coast Guard Academy to whom they lost twice previously in fuel competition, by 12 points. Harvard and Brown finished third and fourth respectively.

Newton High

High scorer for MIT was Ed Newton '58 with 274 points. Other scores on the sharpshooters were, Mike Weidich '60, 272 points; Bill Cooper '60, 265 points; Tom Remmers '60, 64 points, and Jim VonBenken '60, 54 points.

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Volleyball Playoffs Enter Third Round Six Teams Remain

The intramural volley ball finals began Saturday in the armory with the playing of four games.

At the end of the afternoon Sigma Alpha Epsilon B, Lambda Chi Alpha B, Sigma Chi A, and Graduate House B, found themselves victorious over Phi Delta Theta A, Phi Delta Theta B, Dover Club, and Beta Theta Pi A, respectively.

Four games were also played on Sunday afternoon and two teams, Dover Club and Beta Theta Pi A were eliminated at the end of the day's play. Sigma Chi A downed Lambda Chi Alpha B in straight games and Graduate House B defeated Sigma Alpha Epsilon B, to remain the only undefeated teams. Phi Delta Theta A won over Beta Theta Pi A and Phi Delta Theta B edged Dover Club.

B-Brawl Blast

Faculty, Harvard in Double Bill

Plans for the annual All-Tech BasketBrawl on Saturday, April 12 in the Armory are rapidly maturing. It's Humanities and Science versus Engineering and Administration in the big intrafaculty contest. Tech's Intramural All-Stars will square off against the All-Star Hoopsters of Harvard in the second fray.

In the faculty game, the alleged bitterness of both squads has warranted the appointment of "impartial" Corporation Chief Vannevar Bush as head referee. Other officials who have expressed their desire "not to run up and down the damn court" are Deans Rule and Fasset. Nominations for the court combatants have included "Jumping Gene" Chamberlain of Admissions. "Easy Uno" Ingard of 8.01 fame, "Rocky Stocky" Stockmeyer,

"Dribbling Doc" Draper, "Edgy Ed" Gamble, "Running Rich" Schoenwald, "Happy Hans" Mueller, "Sinoidal Sam" Mason, "Juggling Jim" Ross a 6' 10" power of chemistry, "Bouncing Bill" Speer, "Lounging Lord" Nelson the organic wizard, and "Nifty Nathan" Wall with his famous wave shot.

Tech's All-Star team is in the process of being chosen by the athletic managers, and the Harvard five is rumored to be "freshening" up on their technique on Radcliffe's famous athletic grounds.

Beaver Key is planning to sell tickets for the game, and they and Q-Club will lead the cheers. Refreshments will be handy, so a complete Tech evening can be planned with or without a date.

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Research Engineer Robert A. Thorpe, like many other engineers, mathematicians and physicists, came to IBM directly from college. Here he describes how he put his E. E. degree to work in the exciting new area of computer technology.

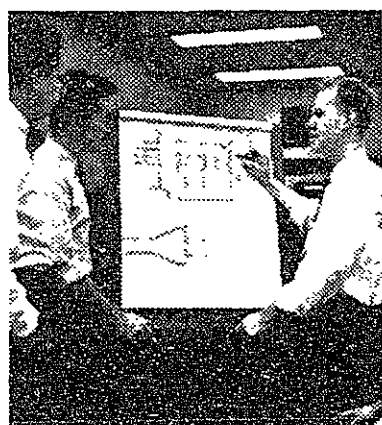
What's it like to be with IBM?

"I joined IBM for two reasons," Robert Thorpe recalls. "First, the tremendous company growth obviously offered every chance for advancement. Second, the area of work was exactly what I was looking for—transistors and their application to computer systems."

In June, 1955, Bob Thorpe decided to enter the IBM training program, where he studied the corporate structure, its Divisions and products. He received technical training in computer logic, programming, and components such as transistors, cores and tapes. By September, half his time was being devoted to an actual project; by the following March, he was on that project full time. "Our job was to transistorize six servo-amplifiers for the airborne bombing-navigational system," he recalls, "and we completed the project in April."

In Research (as in all of IBM), he works in a small group. "Our team consists of three E. E.'s and a technician. We start with an analysis of the over-all system and its components. Then we use modern design techniques involving the latest devices to implement the system." His group splits up occasionally to investigate special phases of a project but reunites in frequent sessions to coordinate their research activities.

Promoted to Associate Engineer



The "small-group" approach to research

In August, 1956, he was promoted to Associate Engineer. At that time he had been working on a design and development project for a D. C. sweep-restoring system for transistorized airborne radar data presentation. He worked on this project until it was completed in May, 1957.

Bob Thorpe was next assigned to the Circuit Logic Department. Here, he was concerned with research in new areas of computer technology—for example, magnetic logic and semi-conductor circuit components and systems which operate in "real time."

Recently, a "Process Control Technology Group" has been organized within the Circuit Logic Department. "Our primary function in this group," Bob Thorpe says, "is to study sampled-data systems for application to industrial process control. This work is theoretical and involves mathematical studies of representative systems and processes."

What does the future hold?

Bob Thorpe plans to continue in systems work and to develop "a more sophisticated approach to the analysis and synthesis of sampled-data control systems."

As his career develops, he can advance to still more challenging projects of a scientific nature or he can assume managerial responsibilities combining administrative and scientific talents. Either way, the future is open. IBM Research is expanding enormously at the present time. A new Research Center is being constructed in Westchester County, N. Y., which will be the world headquarters for all IBM research centers in this country and Europe.



Testing amplifier performance

The fact that he is so much on his own, Bob Thorpe says, is what he likes best about IBM. "There's no 'over-the-shoulder' supervision. You schedule your own program and set your own pace."



New area of computer technology

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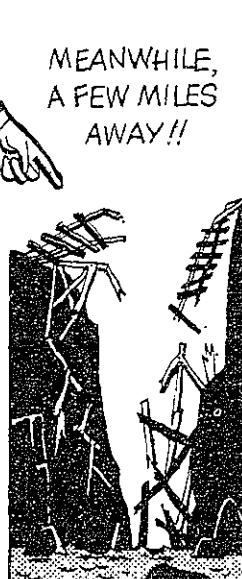
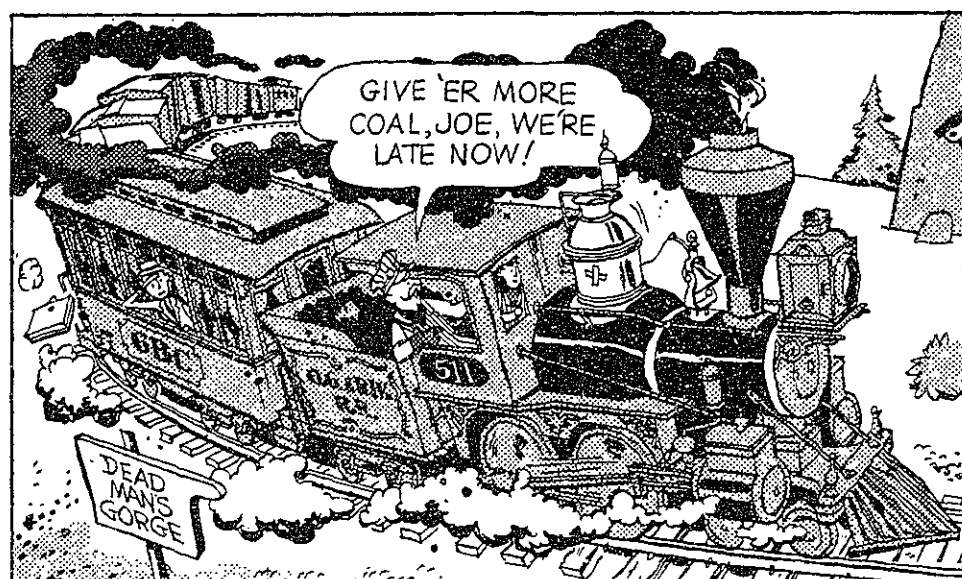
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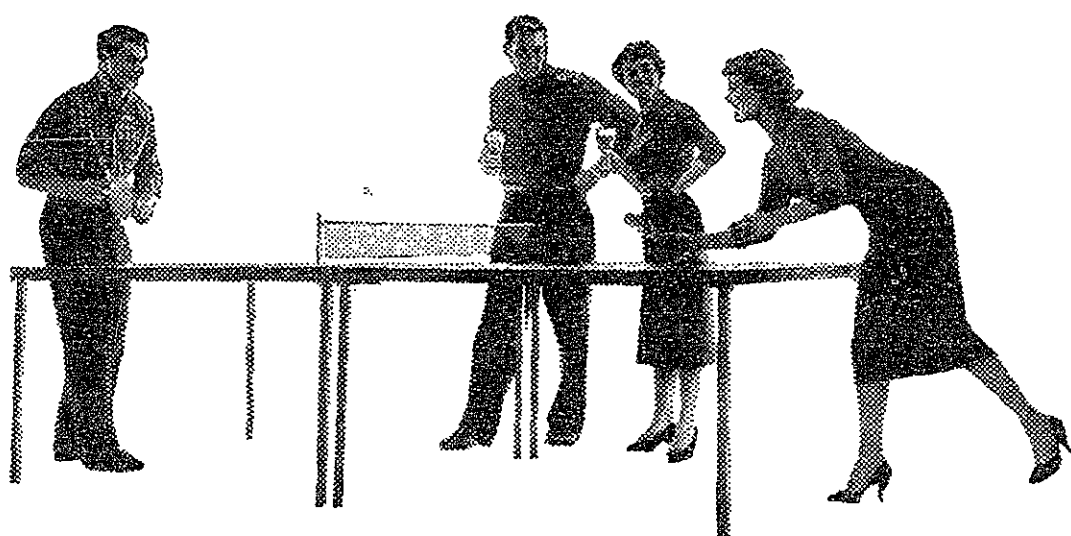
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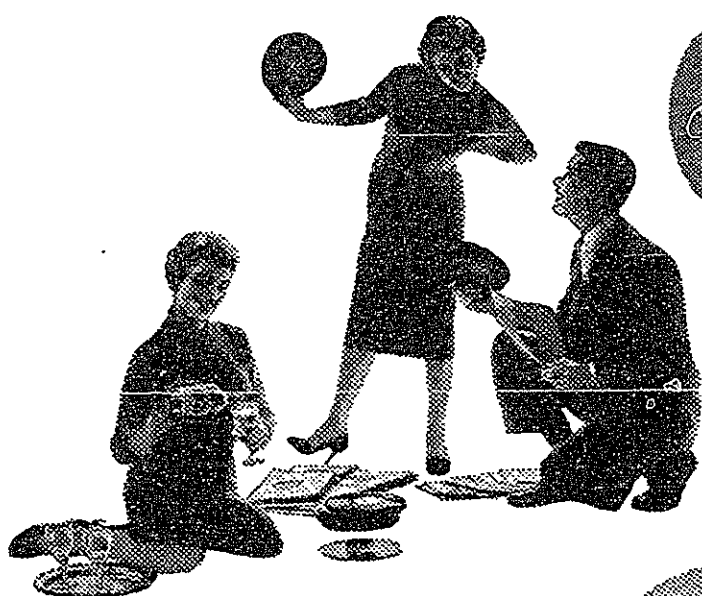
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